



AGRICULTURAL PEAK LOAD REDUCTION PROGRAM

APPLICATION FORM

Revised August 28, 2002

Program Management: California Energy Commission
1516 Ninth Street
Sacramento, CA 95814
(916) 654-4381

If you are a water agency send this completed application and supporting documentation to:

Agricultural Peak Load Reduction Program
Irrigation Training and Research Center
California Polytechnic State University
San Luis Obispo, CA 93407
(805) 756-7408

All others send this completed application and supporting documentation to:

Agricultural Peak Load Reduction Program
Center for Irrigation Technology
California State University, Fresno
5370 North Chestnut Avenue, M/S OF 18
Fresno, CA 93740-8021
(866) 297-3029



CENTER FOR
IRRIGATION
TECHNOLOGY

California State University Fresno



IRRIGATION TRAINING AND
RESEARCH CENTER

California Polytechnic State University
San Luis Obispo, CA

Agricultural Peak Load Reduction Program

This is the Application Summary Form for project categories 1, 3, and 4 of the Agricultural Peak Load Reduction Program. It must be filled-out completely and clearly. Incomplete or unclear project proposals will be returned to the applicant. Applications may include multiple projects. Each project within an Application should be documented on a separate Project Proposal Worksheet.

IMPORTANT! – Category 2 projects for a pump repair/retrofit must use the Pump Repair/Retrofit Application. Contact the Grant Administrator if you do not have one.

IMPORTANT!! - Supporting Documentation Requirements

All applications must contain a project budget and a clear description of how peak electricity demand savings will be achieved (if applicable). For Category 1 and 3 projects estimated to save 200 kW or more, the analysis of demand savings must be signed by a licensed engineer in the state of California.

Provide supporting documents used to estimate the existing and post-project peak period demand. (Refer to the section ESTABLISHING PRE AND POST-PROJECT PEAK PERIOD KILOWATT DEMAND in the Program Description for guidance.) Supporting documents include, but are not limited to:

- Energy audits performed by knowledgeable and experienced companies.
- Utility billing records for the previous 12 months or peak period (June – September) as applicable.
- Equipment descriptions, including manufacturer's performance ratings (such as horsepower, BTU/hour, gallons/hour flow, etc.)
- Pump efficiency tests.
- Operation records, other than utility billing records, if available.
- Engineering calculations.

Measurement and Verification Plan

The measurement and verification plan is critical. Peak period load reductions must be verifiable. It is the applicant's responsibility to propose a clear, viable, reliable, and accurate plan for measuring and verifying peak period load reductions. Verification plans might include:

- Inspection of utility billing records where time-of-use service meters have been set (note that installing a time-of-use meter may be a condition of project acceptance.
- Direct measurement of kW demand by installed instrumentation or an experienced electrician.
- Indirect proof of demand reductions based on other operational measurements and an approved engineering model.

Agricultural Peak Load Reduction Program

Application Summary

(attach a Project Proposal Work Sheet for each Project in this Application)

Application name/Designation:		Number of Individual Projects in this Application:	
Individual/Organization/Company/Water Agency Name:			
	Federal Tax ID Number:	Tax Status: <div style="text-align: center;"> <input type="checkbox"/> Individual <input type="checkbox"/> Corporate <input type="checkbox"/> Non-Corporate <input type="checkbox"/> Partnership <input type="checkbox"/> Exempt </div>	
Business Type:		Phone:	Fax:
Street/Mailing Address:			
City:		State:	Zip Code:
Contact Name:			
Street Address:			
City:		State:	Zip Code:
Phone:	Fax:		E-mail:
Estimated Reduction in Peak Electric Demand in kW's		Estimated Grant:	
Select one or more appropriate project descriptions <input type="checkbox"/> Category 1. Efficient Electrical Equipment / Other Conservation Effort <input type="checkbox"/> Category 2. Pump Retrofit/Repair <input type="checkbox"/> Category 3. Advanced Metering/Telemetry <input type="checkbox"/> Category 4. Natural Gas-powered Equipment Retrofit			

I hereby certify under penalty of perjury that all information provided in this application and in any attachments is true and correct to the best of my knowledge.

Printed Name of Responsible Party:	Title:
Signature of Responsible Party:	Date:

For Grant Administrator Use Only:		
APLRP Application #:	Administrator:	
Date/Time Received:	By:	
Postmarked:	Delivered by:	
Project Evaluation by:	Date Started:	Date Finished:
Project Accepted by:	Date:	
Project Verification by:	Date:	
Estimated Grant Payment: \$		
Actual First Payment: \$	Date:	
Actual Second Payment: \$	Date:	
Verified kW Load Reduction:	By:	Date:

Application: _____

Agricultural Peak Load Reduction Program Categories 1, 3, and 4 Project Proposal Work Sheet

(Fill out one for each Project within the Application - Attach extra sheets as needed)

1. Project Name: (for all Categories) _____

Utility servicing this equipment/project _____

Account number: _____ Rate Schedule: _____

2. [] Applicant certifies that this project has not and will not receive any funds from any energy conservation program funded by the Public Goods Charge fund

3. Project Description: (for all Categories - attach sheets as necessary)

Proposed New Equipment (list all with names, size, and performance data; attach manufacturer's data if available): _____

Equipment to be Replaced or Modified: (list all with names, size, and performance data; attach manufacturer's data if available, describe modifications to each): _____

Software to be Replaced or Modified (include a reason for the replacement or modification):

Provide a written description of the project. Include a sketch layout/floor plan showing the location of all equipment to be replaced or modified. If a Category 1 or 3 project, describe how the project will reduce kW demand during the peak period of from 12 PM to 6 PM Monday through Friday, excluding holidays (include additional pages as needed).

Provide a budget for the project (you may provide a consolidated budget if this Application includes two or more projects). The budget should include at a minimum a summary of a) equipment costs, b) design/engineering costs, c) installation/modification costs, d) commissioning costs, and e) permitting costs. Copies of quotes and/or bids from suppliers/contractors should be submitted if available.

4. kW Load Reduction Calculations: (Ignore this if a Category 4 project) Attach documentation as needed to support/explain how the Existing and Post-Project kW demand are established. Refer to section Supporting Documentation Requirements above. Copies of utility billing for the previous peak period (or 12 months as applicable) is required to help establish Existing Peak Period kW demand.

Existing Peak Period kW demand: _____

Application: _____

Project Name : _____

How established: _____

Post Project Peak Period kW demand: _____

How estimated: _____

5. Measurement and Verification Plan: (Ignore this if a Category 4 project; indicate if this is a Category 3 project associated with an approved voluntary load-curtailement program)

Describe how peak period kW reductions will be measured and verified. If the modified equipment is not the only load on the service meter, describe how reductions due to the project will be identified:

6. Summary of Project: (for all Categories):

Proposed kW reduction during peak period _____ kW (Ignore for Category 4 projects)

Total project cost \$ _____

\$/kW project cost \$ _____ /kW (Ignore for Category 4 projects)

Estimated Construction Start Date _____

Estimated Construction Finish Date _____

7. Incentive Payment Calculator: (for all Categories)

For Category 1 and 3 projects:

a. 65% of the project cost: \$ _____

b. kW reduction * \$/kW(see schedule): \$ _____

Grant schedule for Category 1 and 3 projects:

\$350/kW by July 31, 2001

\$300/kW by Sept. 30, 2001

\$250/kW by May 31, 2004

Lesser of line a or line b. = CEC Grant: \$ _____

For Category 4 projects:

a. 65% of the project cost: \$ _____

Lesser of line a. or \$300,000 = CEC Grant: \$ _____

8. Retroactive Payment: (for Category 1 projects only)

The purchase of Category 1- High efficiency electrical agricultural equipment qualifying under the conditions of this grant may be retroactive to January 1, 2001. **If answering YES, you must provide documentation showing that no purchase of equipment or services occurred before January 1, 2001**

Does this project plan to submit for retroactive payment? Yes _____ No _____

Application: _____

Project Name : _____

9. Environmental: (for all Categories)

Provide general information about the positive or potentially negative environmental impact the project would have? None __ Low __ Medium __ High __

Explain: _____

Design/engineering and Permitting:

What are the design/engineering and permitting requirements for the project?

Design needed: Yes __ No __

Permit required: Yes __ No __

If YES, which permits and from what agency? _____

At what stage is the project design and permit approval at?

Have not started _____

Started but not completed _____ (estimated completion date) _____

Completed _____

10. Construction/installation complexity: (for all Categories)

Will this project be constructed with in-house personnel or with outside contractors? _____

How many sub-contractors are required to complete the work? _____

11. Project Funding:

If the applicant is a public agency, has funding for the project been approved by the district directors?

Yes __ No __ If not, when is approval anticipated or scheduled? _____

12. Experience and History of Applicant: (for all Categories)

Do you have experience with similar projects in the past? Yes __ No __

What internal/external resources will be used for the management of the project (i.e. in-house engineering and/or outside consulting support)?

